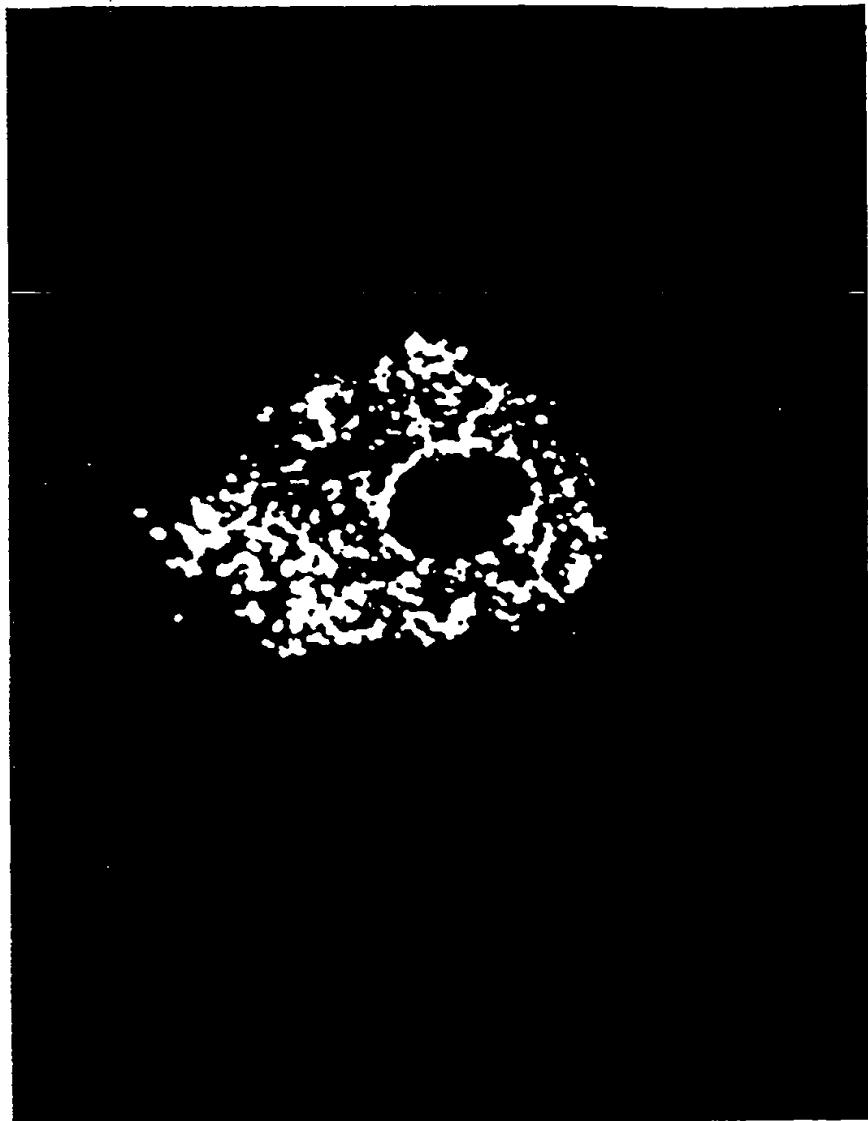


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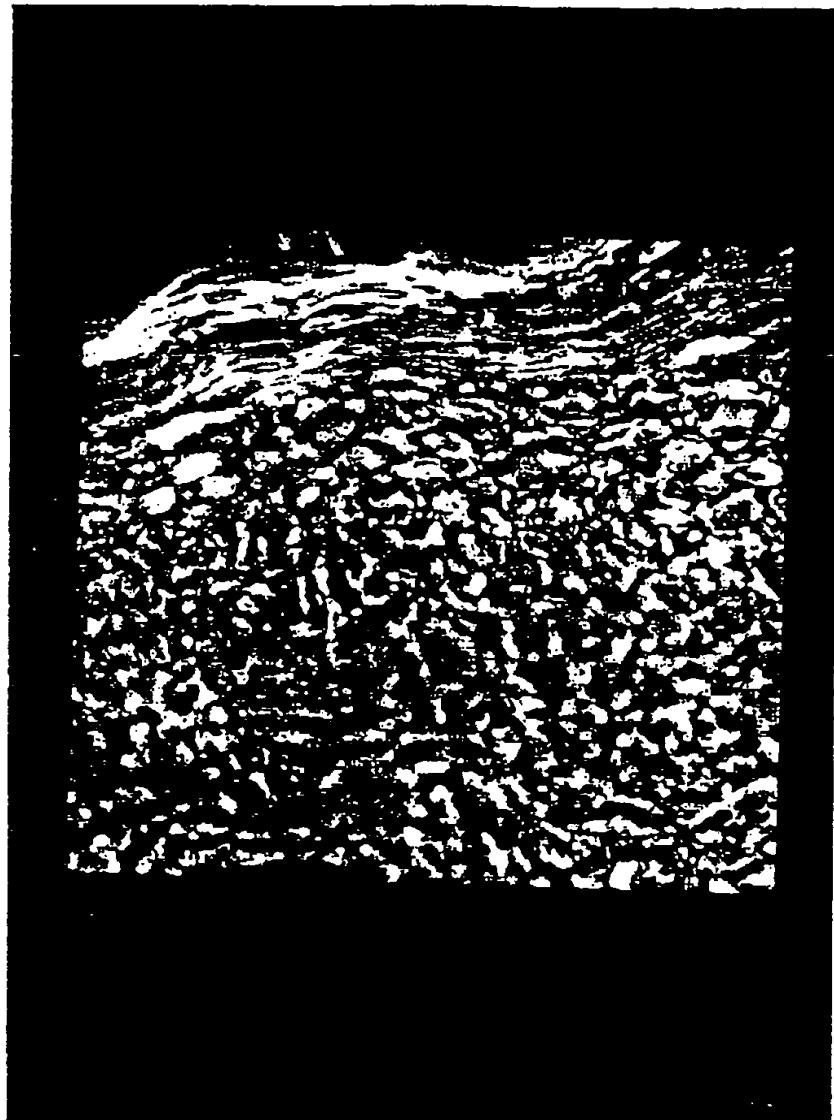
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Analysis by confocal microscopy using the antibody 8D7 of the mitochondrial localization of the PBR receptor on keratinocytes A431 (green coloration).

FIGURE 1



The immunohistological analysis performed on a section of normal human epidermis reveals an expression of PBR which increases from the *stratum basale* to the *stratum corneum* (red coloration).

FIGURE 2

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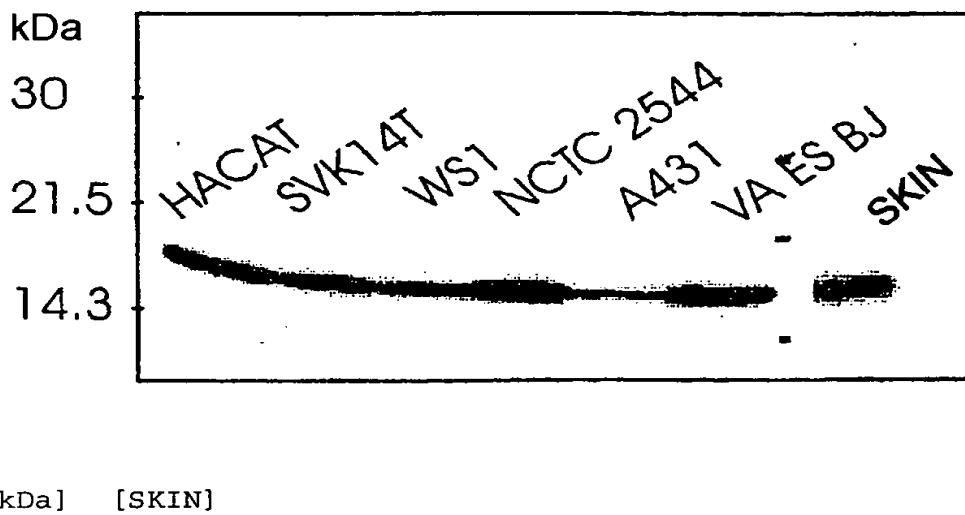
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Expression of PBR on keratinocyte lines
and on normal human skin lines:

Western blot analysis



8D7 antibody labeling (1 μ g/ml final)

The deposits are normalized by assaying the total
proteins of the lysate:
deposits for each line 30 μ g

FIGURE 3

FIGURE 3 09/831720

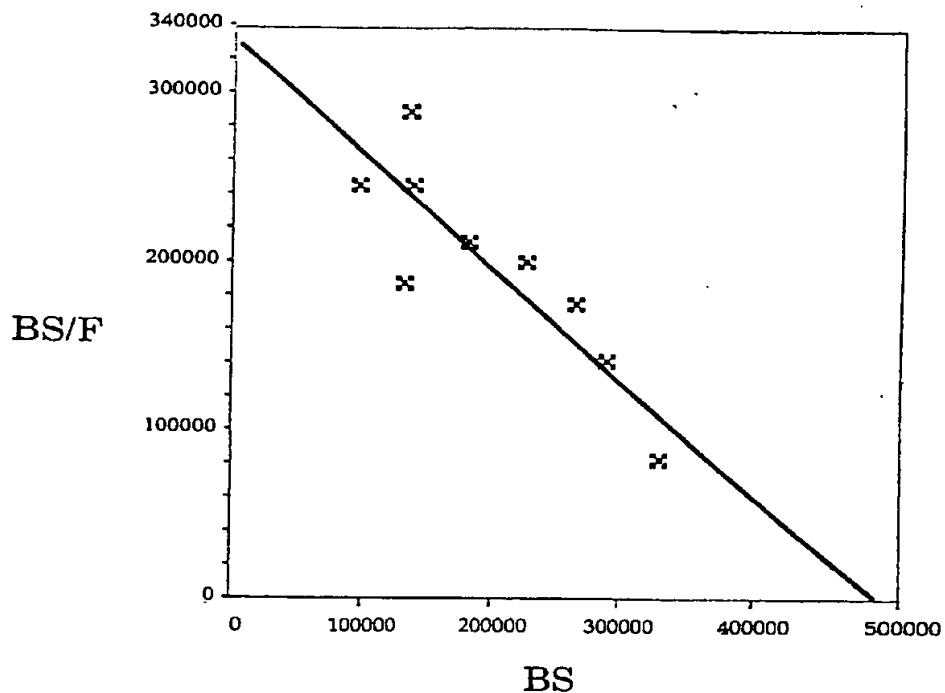
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Scatchard study
on keratinocytes A431

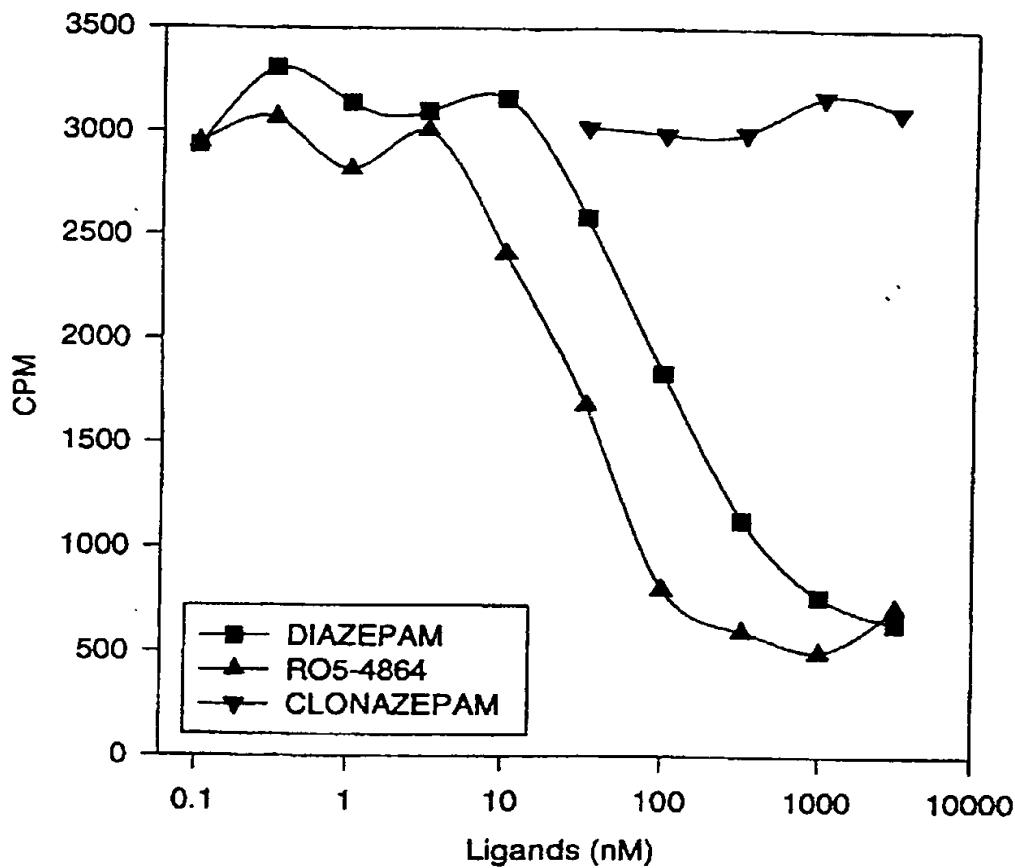


$B_{max} = 472\ 000 \pm 68\ 000$ receptors/cell

$KD = 1.5 \pm 0.3$ mM

FIGURE 4

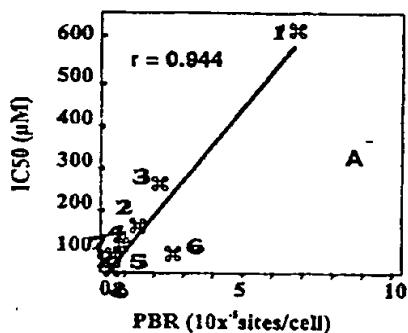
Pharmacological profile of ligands for PBR
on keratinocytes A431



Curve of displacement of the reference ligand [³H]-PK11195 by Ro 5-4864 (peripheral ligand), clonazepam (central ligand) and diazepam (mixed ligand)

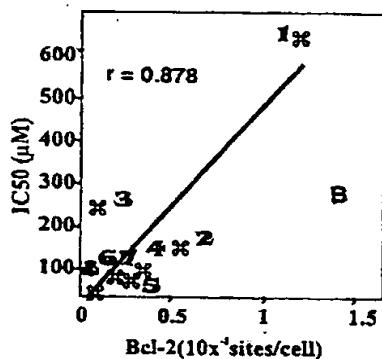
FIGURE 5

Involve~~ment~~ of PBR in the protection of hematopoietic cells against damage caused by oxygenated radicals

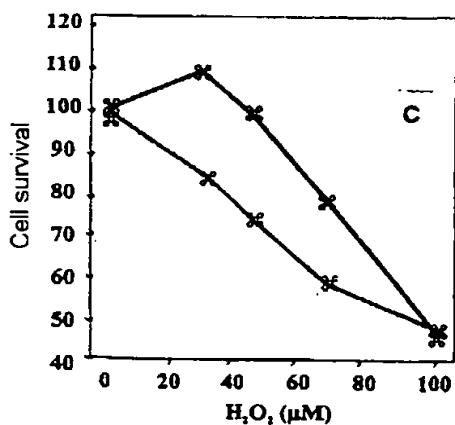


Correlation between the level of expression PBR [A] and of Bcl-2 [B] and of resistance to the toxicity of H_2O_2

1 = THP₁ 2 = U937 3 = K562
 IM9 5 = CEM 6 = NALM-6
 7 = Jurkat 8 = RAJI



The H_2O_2 concentrations which induce 50% toxicity after incubation for 24 h [IC₅₀] are expressed as a function of the number of PBR or Bcl-2 sites.



Viability of wild-type Jurkat cells and of cells transfected with PBR with respect to H_2O_2 toxicity after incubation for 24 h

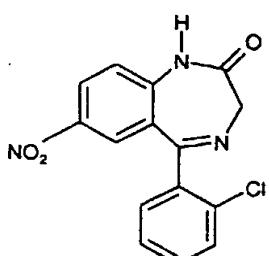
FIGURE 6

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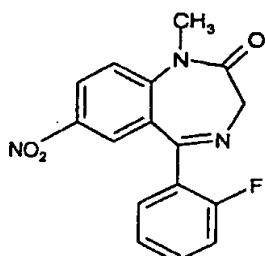
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7/7

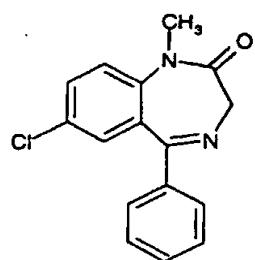
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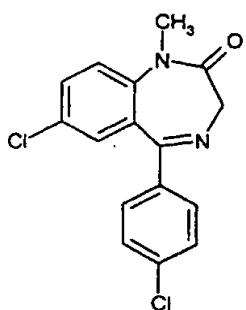
CLONAZEPAM



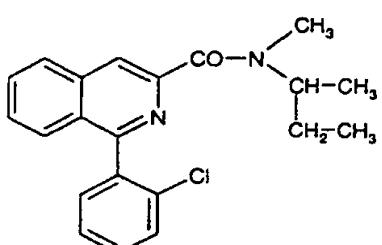
FLUNITRAZEPAM



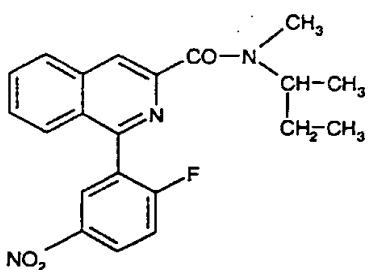
DIAZEPAM
Ro 5-2807



CHLORODIAZEPAM
Ro 5-4864



PK 11195



PK 14105

Main ligands for the central and peripheral
benzodiazepine receptors

FIGURE 7

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